311 Despite a certain reduction in the area under cultivation in the 241 Ukraine, (25,124,900 hectares in 1937 as compared with 26,438,400 in [407] 1932), production rose considerably, reflecting great progress in the mechanization of agriculture. The number of tractors increased from [475] 51,300 in 1932 to 83,900 in 1937. The number of harvesting combines increased in the same period from 4,900 to 26,700. The number of Machine and Tractor Stations grew from 657 to 958. The mechanization of agriculture in the Ukrainian S.S.R. is shown in the following table, which compares the output of energy from draught animals with the energy derived from machines, both in the Ukrainian Republic and in the entire Soviet Union. (It should be noted that, according to Soviet practice, the output of energy is measured in kilowatt hours.)

TABLE V

Output of Energy in Agriculture, 1938
(million kwh)

	Ukrainian S.S.R.	Total Soviet Union
[407] Energy from machines	4,211	19,304.2
379 Energy from draught cattle	1,662	14,667.5
Total output of energy in agriculture	5,873	33,971.7

Source : Planned Economy XII, Moscow, 1940.

[178] As the table shows, the percentage of mechanization in the Ukraine was greater than in the entire Soviet Union.

TABLE XV

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Livestock in Pre-War Ukraine and in the U.S.S.R.

	Ukrainian S.S.R.	
	1932	1937
Cows	2,436,500	3,458,900
Other large cattle	1,591,700	4,300,500
Pigs	2,667,700	7,729,700
Sheep and goats	1,528,700	3,301,500
Horses	2,430,200	2,937,200

	Soviet Union	
	1934	1938
Large cattle	35,500,000	50,900,000
Pigs	11,500,000	25,700,000
Sheep and goats	36,500,000	66,600,000
Horses	15,400,000	16,200,000

Source: Soviet Construction, Moscow, 1939

379
407

It will be noted that in both the Ukraine and in the U.S.S.R. as a whole, only a slight increase occurred in the number of horses. This again illuminates the greater use of machines in place of animal draught power.

Livestock in Western Ukraine

In 1939 the livestock of Western Ukraine alone was as follows.

TABLE XVI

Livestock in Western Ukraine, 1939

Cows	1,718,000
Other horned cattle	868,000
Pigs	1,466,000
Sheep and goats	772,000
Horses	1,043,000

Source: Concise Year-Book of Poland, Polish Ministry of Information, London, 1941